

CENTRAL INTELLIGENCE AGENCY

REPORT NO.

25X1

## EVALUATE

COUNTRY Germany (Russian Zone)

DATE DISTR. 2 November 1948

SUBJECT Planned Construction of Gas Turbine Locomotives  
at Wildau

NO. OF PAGES 1

1 PLACE  
ACQUIRED

NO. OF ENCLS. 1 (photostat)  
(LISTED BELOW)

25X1"

DATE OF IN

SUPPLEMENT TO  
REPORT NO.

25X

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25X1

1. Construction of gas turbine locomotives and a switching apparatus were the subjects discussed at a 20 July 1948 meeting at the Berliner Maschinenbau und Bahnbedarf factory (ex Berliner Maschinenbau AG, formerly L. Schwartzkopff), in Wildau (VOK). The following persons attended:  
  
Dipl. Ing. Johannes Bachmann and Dipl. Ing. Heinz Hilliger, representing Brückner u. Kanis, Dresden (KTR3).  
  
Dipl. Ing. Schröter and Dipl. Ing. Richter, representing the Siemens Warner Werk.  
  
Director Ziehm, Ober Ing. Manthey, Ing. Kupfer, and Ing. Kunze, representing the Berliner Maschinenbau u. Bahnbedarf plant.
2. The locomotives discussed are to be approximately twenty-four meters long, with a structure resembling that of ordinary electric locomotives. Of the twelve axles, eight will have individual driving motors; two front and two rear will be steering axles without power. The motors are to be staggered on different sides of the wheels.
3. The present German gauge will be changed to Russian gauge. Since the superstructure of the locomotive is of Russian width, it would be impossible to run it on German two-way traffic road beds.
4. Characteristics of the locomotive include:  
  
4,000 HP  
5,000 RPM at full speed  
5,000 RPM while idling (Leerlauf)  
650° C maximum driving temperature  
620° C normal driving temperature  
800 kilograms of fuel oil/hour at full speed
5. The undercarriage has been almost completed. No construction is taking place at present. Electrical equipment, which has been difficult to obtain, is to be imported from the USSR to speed building.
6. Other conferences on the subject were planned for 3, 4 and 5 August 1948 at Brückner u. Kanis, Dresden.

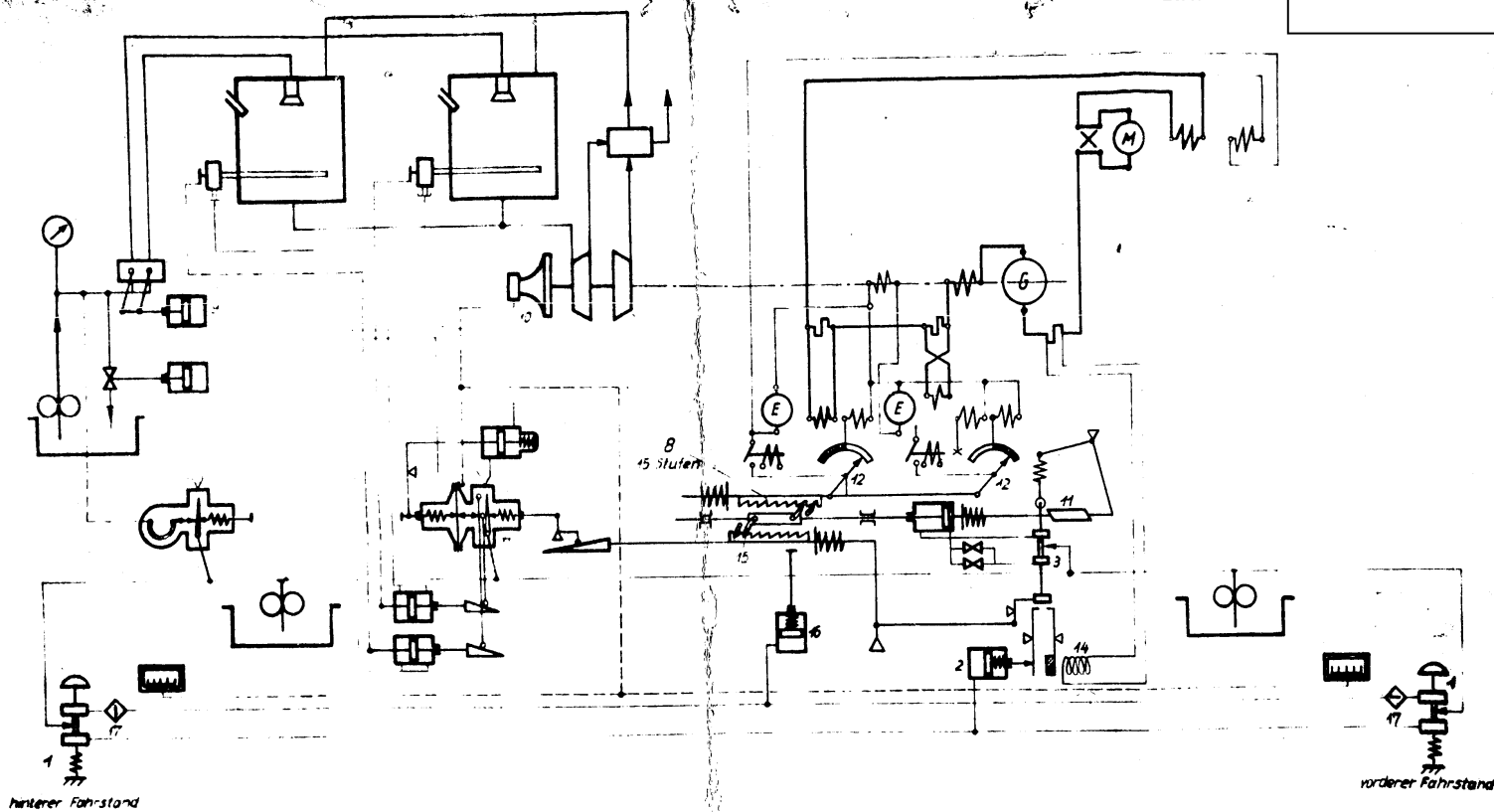
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Comments: The attached photostat is a drawing of the switching apparatus of the gas turbine designed by Askania, Berlin.

CLASSIFICATION SECRET

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Ersatz für		Erstellt für		Erstellt für	
Steuerung einer Gasturbine					

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